



~~FEDERAL SECURITY AGENCY~~  
PUBLIC HEALTH SERVICE

IN REPLYING, ADDRESS THE

May 11, 1953

Communicable Disease Center  
Enteric Bacteriology Laboratories  
P. O. Box 185  
Chamblee, Georgia

Dr. J. Lederberg  
Department of Genetics  
The University of Wisconsin  
Madison 6, Wisconsin

Dear Dr. Lederberg:

I was very glad to have your letter of May 7 before I leave for Lansing tomorrow.

Unfortunately, I have not found time to go over the manuscript with a fine tooth comb. After receiving your permission, I shall not hesitate to give it a good working over. I am sure I shall find time to do this while in Lansing.

There are a few things I believe I should mention to you:

1. We have a large number of cultures of *S. paratyphi* B, var. java presumably derived from the same outbreak as N25 and N97. If you should want any of these we can send them. I presume that all of these related strains should act in the same way. It might be well to look at Kauffmann's type culture of Java which was derived from a different source.

2. I neglected to inform you that I could never recover viable forms from 3550-51, phase 2.

3. SW 986 and SW 986-B have yielded i and e,n,x phases which behaved in a typical manner.

4. I have examined 250 colonies of SW 674 and found that the back mutation rate from l,5 to g,p is approximately 2 per cent. I believe that this rate of mutation is not great enough to cause the reaction of l,5 phases in various g ... serums. In this case, there would seem to be an imperfect separation of the phases.

I have not looked at any considerable number of colonies of SW 1016 so I can make no remarks about it but I presume the same situation occurs here.

5. As yet I have not been able to reverse the b phase of SW 1026 to i. I have put both b and z<sub>33</sub> phases in absorbed serums (b + z<sub>33</sub>). I will continue work on this.

Dr. J. Lederberg

May 11, 1953

6. There are a number of protocols which I have not found time to copy and send you. This also I should be able to complete while I am away.

With kind regards, I am

For the Officer-in-Charge, Bacteriology Section

Sincerely yours,

*Phil*

PRE:mg

Philip R. Edwards, Ph. D.  
Bacteriologist-in-Charge  
Enteric Bacteriology Unit

*Joshua. I'm returning your type-written ones. Many thanks for sending it. It was most helpful. I'm afraid it's a little more dog-eared than when I rec'd it.*

*Could we have the pedigree of your last shipment of 7 or 8 cultures? I believe we only know about 3W1041.*

*I'm off to Lansing tomorrow AM and must admit it will be a welcome change to be away from the lab for a few days. I've taken no days off since September. Sorry I can't get to Madison but travel is being frowned on at the moment - even travel at no expense to the govt. as in this case.*

*Best to you & Esther  
Phil*